

MATERIAL SAFETY DATA SHEET

JOHNSON DIVERSEY
CLEAN IS JUST THE BEGINNING

MR. MUSCLE OVEN AND GRILL CLEANER (AEROSOL)

	HMIS	NFPA
HEALTH	3	3
FIRE HAZARD	4	4
REACTIVITY	0	0

PERSONAL PROTECTIVE EQUIPMENT:
SAFETY GLASSES
BOOTS
GLOVES

VERSION NUMBER: 2

PREPARATION DATE: 2007-05-17

1. PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: MR. MUSCLE OVEN AND GRILL CLEANER (AEROSOL)

MSDS #: 126040-005

PRODUCT CODE: 91206, 3694087

RECOMMENDED USE: INDUSTRIAL/INSTITUTIONAL. OVEN AND GRILL CLEANER.

MANUFACTURER, IMPORTER, SUPPLIER:
CONSUMER BRANDED PROFESSIONAL PRODUCTS
JOHNSONDIVERSEY, INC.
8310 16TH STREET
STURTEVANT, WISCONSIN 53177-0902
PHONE: (888) 352-2249

CANADIAN HEADQUARTERS
JOHNSONDIVERSEY - CANADA, INC.
2401 BRISTOL CIRCLE
OAKVILLE, ONTARIO L6H 6P1
PHONE: 1-800-668-3131

EMERGENCY TELEPHONE NUMBER:
1-800-851-7145 (PROSAR)
1-651-917-6133 (INT'L PROSAR)
01-800-710-3400 (MEXICO)

2. HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:

DANGER.
CAUSES EYE AND SKIN BURNS ON CONTACT.
HARMFUL OR FATAL IF SWALLOWED.
CONTENTS UNDER PRESSURE.

PRINCIPLE ROUTES OF EXPOSURE: EYE CONTACT. SKIN CONTACT. INHALATION.

EYE CONTACT: CORROSIVE. CAUSES PERMANENT EYE DAMAGE, INCLUDING BLINDNESS.

SKIN CONTACT: CORROSIVE. MAY CAUSE PERMANENT DAMAGE.

INHALATION:
MAY CAUSE IRRITATION AND CORROSIVE EFFECTS TO NOSE, THROAT AND RESPIRATORY TRACT.

INGESTION: CORROSIVE. CAUSES BURNS TO MOUTH, THROAT AND STOMACH.

3. COMPOSITION/INFORMATION ON INGREDIENTS



HAZARDOUS COMPONENTS:

INGREDIENT(S)	CAS #	WEIGHT %
DIETHYLENE GLYCOL BUTYL ETHER	112-34-5	10 - 20%
SODIUM HYDROXIDE	1310-73-2	1 - 5%
MONOETHANOLAMINE	141-43-5	1 - 5%
BUTANE	106-97-8	1 - 5%

INGREDIENT(S)	LD50 ORAL - RAT	LD50 DERMAL - RABBIT	LC50 INHALATION - RAT
DIETHYLENE GLYCOL BUTYL ETHER	=3384 MG/KG	=2700 MG/KG	NOT AVAILABLE
SODIUM HYDROXIDE	=140 MG/KG	=1350 MG/KG	NOT AVAILABLE
MONOETHANOLAMINE	=1720 MG/KG	=1 ML/KG	NOT AVAILABLE
BUTANE	NOT AVAILABLE	NOT AVAILABLE	=658 G/M3 (4 H)

4. FIRST AID MEASURES



EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT:
IMMEDIATELY WASH OFF WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET

MEDICAL ATTENTION IMMEDIATELY.

REMOVE AND WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE.

INHALATION:

IF BREATHING IS AFFECTED, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:

DO NOT INDUCE VOMITING. RINSE MOUTH, THEN IMMEDIATELY DRINK ONE CUPFUL OF WATER OR MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.

AGGRAVATED MEDICAL CONDITIONS:

INDIVIDUALS WITH CHRONIC RESPIRATORY DISORDERS SUCH AS ASTHMA, CHRONIC BRONCHITIS, EMPHYSEMA, ETC., MAY BE MORE SUSCEPTIBLE TO IRRITATING EFFECTS.

5. FIRE-FIGHTING MEASURES



SUITABLE EXTINGUISHING MEDIA: DRY CHEMICAL, WATER SPRAY, FOAM.

SPECIFIC HAZARDS:

AEROSOL PRODUCT - CONTAINERS MAY ROCKET OR EXPLODE IN HEAT OF FIRE.

UNUSUAL HAZARDS: CORROSIVE MATERIAL (SEE SECTIONS 8 AND 10).

SPECIFIC METHODS:

USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

AEROSOL PRODUCT - CONTAINERS MAY ROCKET OR EXPLODE IN HEAT OF FIRE.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR

EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:

NO INFORMATION AVAILABLE

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS:

PUT ON APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (SEE SECTION 8.).

REMOVE ALL SOURCES OF IGNITION.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

PREVENT PRODUCT FROM ENTERING DRAINS. SOAK UP WITH INERT ABSORBENT MATERIAL. SWEEP UP AND SHOVEL INTO SUITABLE CONTAINERS FOR DISPOSAL. USE A WATER RINSE FOR FINAL CLEAN-UP.

7. HANDLING AND STORAGE



HANDLING:

AVOID CONTACT WITH SKIN, EYES AND CLOTHING. ALWAYS WEAR LONG CHEMICAL-RESISTANT GLOVES, CHEMICAL-SPLASH GOGGLES AND PROTECTIVE FOOTWEAR WHEN SPRAYING AND WIPING. DO NOT SPRAY TOWARD FACE. WASH HANDS AND ARMS AFTER USE. DO NOT SPRAY ON OR LET SPRAY CONTACT PILOT LIGHT, ELECTRICAL CONNECTIONS, SWITCHES, LIGHT BULBS, HEATING ELEMENTS, RECEPTACLES, OR THERMOSTATS. SPRAY MAY CAUSE ELECTRIC SHORT. DO NOT LET PRODUCT CONTACT FLOOR COVERINGS, LINOLEUM, ALUMINUM, COPPER, CHROME, PAINTED SURFACES OR PLASTICS. DO NOT USE ON CONTINUOUS OR SELF-CLEANING OVENS. AVOID BREATHING VAPORS OR MISTS. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

STORAGE:

PROTECT FROM FREEZING. STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM HEAT OR OPEN FLAME. PRESSURIZED CONTAINER: PROTECT FROM SUNLIGHT AND DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 DEGREES C OR 120 DEGREES F. DO NOT PIERCE OR BURN, EVEN AFTER USE. KEEP OUT OF THE REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



ENGINEERING MEASURES TO REDUCE EXPOSURE:

GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. RESPIRATORY PROTECTION IS NOT REQUIRED IF GOOD VENTILATION IS MAINTAINED.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION: CHEMICAL-SPLASH GOGGLES.

HAND PROTECTION:

CHEMICAL-RESISTANT GLOVES INCLUDES RUBBER GLOVES NEOPRENE GLOVES

SKIN AND BODY PROTECTION:

BOOTS, CHEMICAL RESISTANT . IF MAJOR EXPOSURE IS POSSIBLE, WEAR SUITABLE PROTECTIVE CLOTHING AND FOOTWEAR.

RESPIRATORY PROTECTION:

IN CASE OF INSUFFICIENT VENTILATION WEAR SUITABLE RESPIRATORY EQUIPMENT. A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT A RESPIRATOR'S USE.

HYGIENE MEASURES:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE

INGREDIENT(S)	CAS #	ACGIH	OSHA	MEXICO
SODIUM HYDROXIDE	1310-73-2	2 MG/M3 (CEILING)	2 MG/M3 (TWA)	2 MG/M3 (CEILING)
MONOETHANOLAMINE	141-43-5	6 PPM (STEL) 3 PPM (TWA)	3 PPM (TWA) 6 MG/M3 (TWA)	6 PPM (STEL) 15 MG/M3 (STEL) 3 PPM (TWA) 8 MG/M3 (TWA)

BUTANE

106-97-8 1000 PPM
(TWA)

800 PPM (TWA)
1900 MG/M3 (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: AEROSOL

BULK DENSITY: NO INFORMATION AVAILABLE

pH: 13.0

DILUTION pH: NO INFORMATION AVAILABLE.

APPEARANCE: LIQUID AEROSOL

VAPOR DENSITY: NO INFORMATION AVAILABLE

COLOR: TAN

EVAPORATION RATE: NO INFORMATION AVAILABLE

ODOR: CITRUS

BOILING POINT/RANGE: NOT DETERMINED

SPECIFIC GRAVITY: 1.049

MELTING POINT/RANGE: NOT DETERMINED

DENSITY: 8.49 LBS/GAL

DECOMPOSITION TEMPERATURE: NOT DETERMINED

VOC: 7.9% *

AUTOIGNITION TEMPERATURE: NO INFORMATION AVAILABLE

FLASH POINT: <19.4 DEG. F <-7DEG. C

PARTITION COEFFICIENT (n-OCTANOL/WATER): NO INFORMATION AVAILABLE

SOLUBILITY: SOLUBLE

SOLUBILITY IN OTHER SOLVENTS: NO INFORMATION AVAILABLE

VISCOSITY: NO INFORMATION AVAILABLE

ELEMENTAL PHOSPHORUS: 0 %P

* - TITLE 17, CALIFORNIA CODE OF REGULATIONS, DIVISION 3, CHAPTER 1,
SUBCHAPTER 8.5, ARTICLE 2, CONSUMER PRODUCTS, SECTIONS 94508

10. STABILITY AND REACTIVITY



STABILITY: THE PRODUCT IS STABLE

POLYMERIZATION: HAZARDOUS POLYMERIZATION DOES NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: NONE REASONABLY FORESEEABLE.

MATERIALS TO AVOID: STRONG ACIDS. STRONG OXIDIZING AGENTS.

CONDITIONS TO AVOID:

KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION.

11. TOXICOLOGICAL INFORMATION



ACUTE TOXICITY:

ORAL LD50 ESTIMATED TO BE BETWEEN 2000 - 3000 MG/KG CORROSIVE

COMPONENT INFORMATION: SEE SECTION 3

CHRONIC TOXICITY: NONE KNOWN

SPECIFIC EFFECTS:

CARCINOGENIC EFFECTS: NONE KNOWN

MUTAGENIC EFFECTS: NONE KNOWN

REPRODUCTIVE TOXICITY: NONE KNOWN

TARGET ORGAN EFFECTS: NONE KNOWN

12. ECOLOGICAL INFORMATION



ENVIRONMENTAL INFORMATION: NO DATA AVAILABLE

13. DISPOSAL CONSIDERATIONS



WASTE FROM RESIDUES / UNUSED PRODUCTS:

DISPOSE OF ACCORDING TO ALL FEDERAL, STATE AND LOCAL APPLICABLE REGULATIONS

RCRA HAZARD CLASS: D002

14. TRANSPORT INFORMATION



DOT/TDG:

PLEASE REFER TO THE BILL OF LADING/RECEIVING DOCUMENTS FOR UP TO DATE SHIPPING INFORMATION

15. REGULATORY INFORMATION



INTERNATIONAL INVENTORIES:

U.S. REGULATIONS:

CALIFORNIA PROPOSITION 65:

THIS PRODUCT IS NOT SUBJECT TO THE REPORTING REQUIREMENTS UNDER CALIFORNIA'S PROPOSITION 65

STATE RIGHT TO KNOW:

INGREDIENT(S)	CAS #	MARTK	NJRTK	PARTK	RIRTK
DIETHYLENE GLYCOL BUTYL ETHER	112-34-5			X	
SODIUM HYDROXIDE	1310-73-2	X	X	X	X
MONOETHANOLAMINE	141-43-5	X	X	X	X
BUTANE	106-97-8	X	X	X	X
ISOBUTANE	75-28-5	X	X	X	
WATER	7732-18-5				

CERCLA/SARA:

INGREDIENT(S)	CAS #	WEIGHT %
DIETHYLENE GLYCOL BUTYL ETHER	112-34-5	10 - 20%
SODIUM HYDROXIDE	1310-73-2	1 - 5%

INGREDIENT(S)	CERCLA/SARA RQ (LBS)	SECTION 302 TPQ (LBS)	SECTION 313
DIETHYLENE GLYCOL BUTYL ETHER			X
SODIUM HYDROXIDE	1000		

SARA 311/312 HAZARD CATEGORIES:

IMMEDIATE	(X)
DELAYED	()
FIRE	(X)
REACTIVITY	()
SUDDEN RELEASE OF PRESSURE	(X)

CANADA:

WHMIS HAZARD CLASS: E CORROSIVE MATERIAL, A COMPRESSED GASES.

INGREDIENT(S)	CAS #	NPRI
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DIETHYLENE GLYCOL BUTYL ETHER	112-34-5	X
MONOETHANOLAMINE	141-43-5	X
BUTANE	106-97-8	X
ISOBUTANE	75-28-5	X

16. OTHER INFORMATION



REASON FOR REVISION: NOT APPLICABLE

PREPARED BY: NAPRAC

ADDITIONAL ADVICE: NFPA 30B LEVEL 1 AEROSOL.

NOTICE TO READER:

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